

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method, comprising:
gathering information relating to a processor;
evaluating the information relating to the processor; and
managing a first virtual machine and a second virtual machine via the
information, the managing of the first and second virtual machines
including managing a predetermined processing time allocated to each of
the first virtual machine and the second virtual machine, the managing
further including extending or suspending a predetermined processing
time of the first virtual machine or suspending the predetermined
processing time of allocated to the first virtual machine and the second
virtual machine, wherein the suspending of the predetermined processing
time includes switching tasks being performed on the first virtual machine
to the second virtual machine, wherein the predetermined processing time
is allocated to the first virtual machine by a central processing unit to
perform the tasks.
2. (Previously Presented) The method of claim 1, further comprising monitoring the
processor.

Claims 3-4 (Cancelled)

5. (Previously Presented) The method of claim 1, wherein the information comprises
processor state information having one or more of characteristics of the processor,
history of the processor, characteristics of the first and second virtual machines,
history of the first and second virtual machines, and event monitoring data.
6. (Cancelled)

7. (Previously Presented) The method of claim 1, wherein the managing of the first and second virtual machines is performed by a virtual machine manager (VMM) comprising a state management unit.

Claims 8-16 (Cancelled)

17. (Currently Amended) A system, comprising:
- a storage medium to store information relating to a processor coupled with the storage medium; and
 - a processor having a virtual machine manager (VMM) the VMM to
 - gather information relating to the processor,
 - evaluate the information relating to the processor, and
 - manage a first virtual machine and a second virtual machine via the information, the managing of the first and second virtual machines including managing a predetermined processing time allocated to each of the first virtual machine and the second virtual machine, the managing further including extending or suspending a predetermined processing time of the first virtual machine or suspending the predetermined processing time of allocated to the first virtual machine and the second virtual machine, wherein the suspending of the predetermined processing time includes switching tasks being performed on the first virtual machine to the second virtual machine, wherein the predetermined processing time is allocated to the first virtual machine by a central processing unit to perform the tasks.

18. (Previously Presented) The system of claim 17, wherein the VMM comprises a state management unit to monitor the processor.
19. (Previously Presented) The system of claim 17, wherein the information comprises processor state information having one or more of characteristics of the processor, history of the processor, characteristics of the first and second virtual machines, history of the first and second virtual machines and event monitoring data.
20. (Cancelled)
21. (Currently Amended) The system of claim 17, wherein the processor comprises one or more of microprocessors, hyperthreaded processors, digital signal processors, and microcontrollers.
22. (Cancelled)
23. (Previously Presented) The system of claim 17, wherein the first and second virtual machines comprise guest software, the guest software having one or more of an operating software and a software application.
24. (Currently Amended) A machine-readable medium comprising instructions which, when executed, cause a machine to:
gather information relating to a processor;
evaluate the information relating to the processor; and
manage a first virtual machine and a second virtual machine via the information,
the managing of the first and second virtual machines including managing a predetermined processing time allocated to each of the first virtual machine and the second virtual machine, the managing further including extending or suspending a predetermined processing time of the first virtual machine or suspending the predetermined processing time of

allocated to the first virtual machine and the second virtual machine,
wherein the suspending of the predetermined processing time includes
switching tasks being performed on the first virtual machine to the second
virtual machine, wherein the predetermined processing time is allocated ~~to~~
~~the first virtual machine~~ by a central processing unit to perform the tasks.

25. (Previously Presented) The machine-readable medium of claim 24, wherein the instructions which, when executed, further cause the machine to monitor the processor.
26. (Cancelled)
27. (Cancelled)
28. (Previously Presented) The machine-readable medium of claim 24, wherein the information comprises processor state information having one or more of characteristics of the processor, history of the processor, characteristics of the first and second virtual machines, history of the first and second virtual machines, and event monitoring data.
29. (Cancelled)
30. (Previously Presented) The machine-readable medium of claim 24, wherein the managing of the first and second virtual machines is performed by a virtual machine manager (VMM) comprising a state management unit.